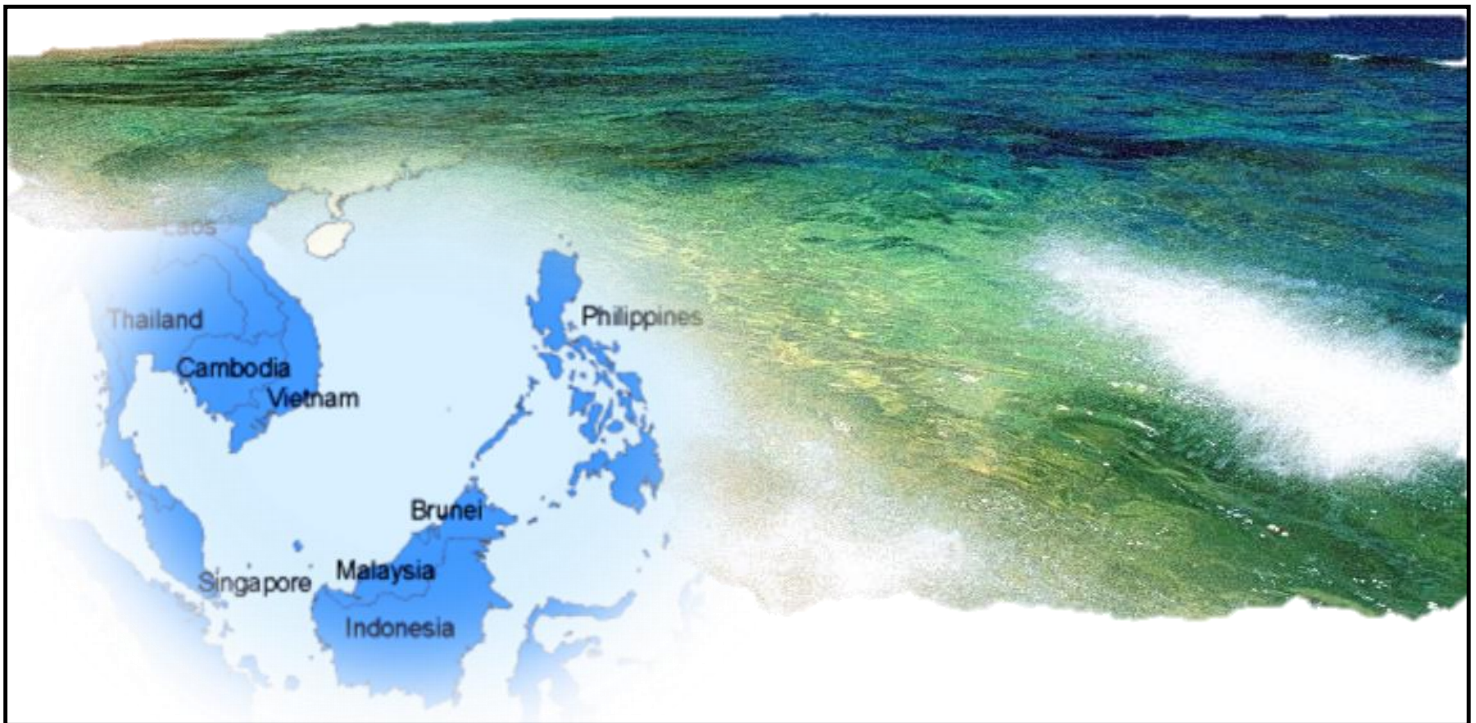


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**Set-up of a Professional Master's program on Tropical Marine Ecosystem Management (TMEM), a Tri-Campus offering of the University of the Philippines**

**YEAR 2 ANNUAL REPORT**

OCTOBER 25, 2012 – OCTOBER 24, 2013



A document by the Marine Environment and Resources Foundation, Inc. (MERF) for USAID as part of its Cooperative Agreement No. AID-492-A-12-00001

**Year 2 Annual Report**  
**October 25, 2012 – October 24, 2013**

**Submitted to:**

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Implemented by: Marine Environment and Resources Foundation, Inc. (MERF)

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# ACRONYMS

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AAC	Academic Affairs Committee
AAUK	Alpen Adria University of Klagenfurt
AOTR	Agreement Officer Technical Representative
ASEAN	Association of Southeast Asian Nations
CA	College Assembly
CEB	College Executive Board
CFOS	College of Fisheries and Ocean Sciences
CRM	Coastal Resource Management
CS	College of Science
CSSP	College of Social Science and Philosophy
CT	Coral Triangle
CU	Constituent University
EBM	Ecosystem-Based Management
GAAC	Graduate Academic Affairs Committee
GS	Graduate School
ICM	Integrated Coastal Management
IFPDS	Institute of Fisheries Policy and Development Studies
LGU	Local Government Unit
LOE	Level of Effort
MERF	Marine Environment and Resources Foundation, Inc.
MOU	Memorandum of Understanding
MPA	Marine Protected Area(s)
MSc	Masters in Science
MSI	Marine Science Institute
PAC	Presidential Advisory Council
PEMSEA	Partnerships in Environmental Management for the Seas of East Asia
PM	Professional Masters
PM-TMEM	Professional Masters in Tropical Marine Ecosystem Management
SEA	Southeast Asia
SESAM	School of Environmental Science and Management
TME	Tropical Marine Ecosystem
TMEM	Tropical Marine Ecosystem Management
UC	University Council
UP	University of the Philippines
UP-CSSP	UP College of Social Science and Philosophy
UPD	UP Diliman
UPLB	UP Los Baños
UP OVCAA	UP Office of the Vice Chancellor for Academic Affairs
OVPAA	Office of the Vice President for Academic Affairs
UPV	UP Visayas
USAID	United States Agency for International Development
3MPA	MSc Management of Marine Protected Areas

# Executive Summary

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The *Masters in the Management of Marine Protected Areas (MPAs)* program was originally designed as a twinning program with the Alpen Adria University of Klagenfurt (AAUK). Through the development phase (Year 1 of the project) however, some constraints of program implementation required significant project variations to enable viability and implementation of the proposed academic program within the University of the Philippines (UP) System.

An Interim Period from October 25, 2012 to April 24, 2013 was designated by USAID for the reworking of a revised project description to incorporate the following changes:

- i) Changes in the nature and scope of the Master's program
- ii) Change in the program implementation modality to a "Tri-UP Constituent University (CU; or Tri-UP Campus)" modality involving UP Diliman, UP Visayas, and UP Los Baños
- iii) Consequent changes in the program management structure and assignments
- iv) Extension of the project by 1.5 years with no extra cost:

Within the Interim Period, the establishment of new partnerships with CUs of UP, consisting of UP Los Baños and UP Visayas was completed. This enabled UPMSI to invite other potential UP faculty members from all 3 collaborating CUs to comprise the core faculty and negotiate their official involvement with their respective heads. The involvement of the Alpen-Adria University of Klagenfurt was limited to the previous initial project phase.

Strategic planning workshops among the 3 UP CU partners were held in January and February 2013. The January workshop covered the revision of the program scope and title; consequent changes in the curriculum framework and modifications of some courses; and agreements on timelines for the UP curriculum approval process. The scope of the February workshop consisted of agreements on logistical support and arrangement for course implementation, and the marine protected area (MPA) field sites, which would factor in on the proposed program budget amendments and tuition fees. The approval of the modified project description with its revised title "*Set-up of a Professional Master's program on Tropical Marine Ecosystem Management (TMEM), a Tri-Campus offering of the University of the Philippines*", was granted in August 2013.

The institutionalization process of the proposed PM-TMEM within the University of the Philippines was initiated from March to May 2013 through the evaluation and approval by 3 major review bodies within the College of Science at UP Diliman. It gained the approval of the College of Fisheries and Ocean Sciences at UP Visayas in April 2013. It was also in late April that the TMEM curricular proposal was submitted to the Standing Committees of the UPLB Graduate School for review and

improvement; after which it was evaluated by the review committees of all the academic units of the Graduate School (GS).

Through the course of the review process within each of the CUs, periodic updating was done among the 3 CUs through Skype or face-to-face meetings regarding curriculum revisions and program implementation details. It was through the review process with UPLB that the Graduate School recommended the collaboration of the College of Forestry and Natural Resources (CFNR) in the program, given CFNR's expertise in conservation planning and watershed management , which influences coastal waters.

Networking was mostly done with various academic unit heads and other faculty members of UPD in order to introduce the proposed PM-TMEM program; solicit inputs; and potentially tap faculty with related TMEM expertise to be lecturers of the program in future. This networking also served as a strategy to minimize the risk of delays in the approval of the curriculum by making the program known ahead of time within the academic community. Networking with institutions of MPA professionals to answer TNA surveys served as a strategy for soft marketing of the program among practitioners.

# Accomplishment vis-à-vis Goals

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## 1.1 Objectives Established for Year 2

### 1.1.1 To rework the amendments of the project description within an Interim Period (November 2012 – April 2013)

#### 1.1.1.1 Restructuring of project management organization involving new UP Partners, additional MPA core faculty, and new key personnel

- i) Involvement of other UP CUs as New Partners in the Program (Nov 2012 – Feb 2013)
- ii) Organization of core faculty from the 3 UP CU Partners (Dec 2012 – Jan 2013)
- iii) Revised organizational structure, roles and responsibilities of program coordinating body and project management (Jan - Feb 2013)
- iv) Renegotiation on revised roles within the project management structure (Nov 2012 – Jan 2013)

#### 1.1.1.2 Development of the revised program based on the outputs of the Tri-campus collaborative workshops of UPMSI and its new Partners for the Professional Master's program on Tropical Marine Ecosystem Management (PM-TMEM; January -March 2013) – 2 workshops, comm syllabus, program cost

- i) Integrated results on various aspects based on collaborative workshops between UP Partners for the PM-TMEM (Jan – Feb 2013)
- ii) Determination of PM-TMEM program cost (Mar 2013)

#### 1.1.1.3 Submission of project description amendments (March 2013)



## **1.1.2 Intermediate Result 1 (IR1) of the revised project description on *Program Institutionalization within the University of the Philippines***

### **1.1.2.1 Submission of the new curriculum proposal on the Professional Master's program on TMEM to the various approving bodies within the UP System for evaluation and approval (March – Oct 2013)**

- i) At the level of the various CUs (March – Oct 2013)
  - UP Diliman
  - UP Visayas
  - UP Los Baños
- ii) At the level of the UP System: Academic Affairs Committee (August – Oct 2013)

### **1.1.2.2 Holding of 3CU meetings for updates in line with the process of program institutionalization within UP**

### **1.1.2.3 Preparation of teaching materials for the program courses (July – Oct 2013)**

## **1.1.3 Intermediate Result 3 (IR3) of the revised project description on networking (April 2013 – May 2013)**

### **1.1.3.1 To network with CRM/MPA professionals ; individuals who can potentially be tapped for the program**

### **1.1.3.2 To network with LGUs having jurisdiction over MPA sites included in the program; other related institutions who can potentially be tapped to collaborate/support the program**

## 1.2 Accomplishments According to the Objectives Established for the Interim Period

### 1.2.1 To rework the amendments of the project description within an Interim Period (November 2012 – April 2013)

#### 1.2.1.1 Restructuring of project management organization involving new UP Partners, additional MPA core faculty, and new key personnel

##### i) *Involvement of other UP CUs as New Partners in the Program (Nov 2012)*

To address the need to increase the number of faculty to integrate the socio-ecological concerns of the program and to have a minimum of five (5) core faculty, a UP system-wide approach was taken through the collaborative involvement of other UP CUs. This constitutes a major variation in the project with a bearing on the management structure for the graduate academic program whereby a Coordinating Body would consist of Program Coordinators and heads of pertinent academic units from the 3 CUs who will set-up and implement the Master's program within the University of the Philippines. The team of project personnel constitute a distinct body that functions in support of the institutionalization of the Master's program by the UPMSI and its other UP Partners through the 3CU Coordinating Body.

**UP Partnerships.** The UP Partners pursued the development of the collaborative Masters program through their participation in two (2) major workshops held in the first quarter of 2013. The initial *Workshop on Tri-Campus Program Collaboration within the UP System: Set-up of a Master's Program in Management of MPA* was held from January 3-4, 2013 at the UPMSI among the key administrators and key/core faculty members of the participating academic institutions from the 3CUs. This workshop focused on the development of the tri-campus organizational structure responsible for the development and implementation of the program, including operationalization mechanisms, and the improvement of the curriculum towards a broader scope. (See **Annex 1.**)

A followup Tri-Campus Collaboration workshop was held from February 8-9, 2013 to finalize the revised curriculum content which was broadened to a Master's program in Tropical Marine Ecosystem Management (TMEM) in the January workshop. Marine Protected Areas was to be its initial area of specialization. Other program implementation aspects were also covered in this workshop. (See **Annex 2**)

During the Interim period between the January 2013 and February 2013 Workshops, the UPV Chancellor officially set-up an AdHoc Committee to work on the development of the Professional Master's program in TMEM. This committee consists of a multi-disciplinary team of faculty from the College of Fisheries and Ocean Sciences; the College of Management; and the College of Arts and Sciences. The team held a workshop to review the draft of the TMEM curriculum output of the January workshop and to improve its curriculum content, as their input for the working documents of the February 2013 Workshop.

## *ii) Organization of core faculty from the 3 UP CU Partners (Nov – Dec 2012)*

With the UP CU Partners' (UPV and UPLB) collaboration in the Master's program, the potential MPA core faculty members from the 3 CUs were identified and invited. The endorsement by their respective institutional heads for their involvement were worked out from November to December 2012.

**Identification of the initial set of MPA Core Faculty.** The following were identified as the initial MPA Core faculty members and endorsed by their respective Unit Heads or Deans:

1. Dr. Porfirio Aliño – Marine Science Institute, College of Science (CS), UPD
2. Dr. Laura David – Marine Science Institute, College of Science (CS), UPD
3. Dr. Jonathan Anticamara - Institute of Biology, College of Science (CS), UPD
4. Dr. Maria Mangahas – Department of Anthropology, College of Social Science and Philosophy (CSSP), UPD
5. Dr. Merlina Andalecio – Institute of Fisheries Policy and Development Studies, College of Fisheries and Ocean Studies (CFOS), UPV
6. Dr. Wilfredo Campos – College of Arts and Sciences (CAS) – UPV
7. Dr. Rodelio Subade – College of Arts and Science, UPV
8. Dr. Victoria Espaldon – School of Environmental Science and Management (SESAM), UPLB

Drawing the faculty through a UP systemwide approach enabled the program's core faculty to consist of eight (8) as of end of January 2013, which is over the minimum requisite of five (5) for setting up new academic programs within the University of the Philippines.

In October 2013, when the College of Forestry and Natural Resources (CFNR) joined the collaborative initiative as one of the proponent core academic units in partnership with SESAM, Dr. Edwino Fernando, whose expertise is in biodiversity and conservation

planning, formed part of the TMEM core faculty. This resulted in a total of nine (9) core faculty members.

*iii) Revised organizational structure, roles and responsibilities of program coordinating body and project management (Jan - Feb 2013)*

**Revised Program Coordinating Body.** The organizational structure corresponding to a revised program set-up was initially discussed in the *January Workshop on the Tri-Campus Program Collaboration* among the key administrators and core faculty of the UP Partners. Key representatives of the collaborating lead Institutions from the 3 CUs, together with the Dean of their respective Colleges, were to form the Coordinating Body of the Program. The body is tasked with the joint management of the academic program's development and implementation stages, and planning for its future growth. The Coordinators would likewise be responsible for putting together an additional pool of faculty from their respective CUs who have expertise for the various course components/lectures. These faculty members are to comprise the teaching teams headed by the various core faculty who serve as the course coordinators and help develop the next generations of TMEM faculty cadres.

**1.2.1.1 Program development based on the outputs of the Tri-campus collaborative workshops of UPMSI and its new Partners for the Professional Master's program on Tropical Marine Ecosystem Management (PM-TMEM; January -March 2013)**

*i) The Tri-Campus Collaboration Workshops*

January 3-4, 2013: Workshop on the Master's program on the Management of MPAs (See Annex 1)

**Attendance.** The workshop was attended by nine (9) faculty members from UPD; eight (8) from UPV; and four (4) from UPLB. Academic officials from both UPD and the UP System were invited to provide their inputs with regard to various administrative aspects of a Tri-Campus Program implementation. This program modality is considered an innovative approach which still has no current functioning 3 campus units model, but only prototypes in the form of collaborating academic units within a single campus. UP officials served as resource persons and were very encouraging about the Tri-campus endeavor, they were:

- Dr. Virginia Yap – Vice Chancellor for Administration, UPD
- Dr. Gisela Concepcion – Vice President for Academic Affairs, UP System
- Dr. Marilou Nicolas – Assistant Vice President for Academic Affairs, UP System

**Workshop objectives.** The workshop objectives consisted of the following:

- To have a common understanding of the project and the proposed Master's Program;
- To have a common understanding of the "One UP" strategy;
- To review the proposal for the Master's in Marine Protected Areas (OVPA Form 2)/ general curriculum framework of the program towards identifying areas for improvement;
- To revise the curriculum towards a program that will strategically address tropical marine conservation;
- To identify and agree on the organizational requirements for the operational implementation of the revised Program;
- To agree on how these requirements will be met; and
- To agree on timelines and responsible persons/entities for the implementation of the Master's program.

**Key outputs and agreements.** The body was able to achieve the following:

- ✓ Workshop participants gained a common understanding of the background on the development of the original proposal for a professional *Master's in Management of MPAs Program*, and relevance to the "One UP" (One University of the Philippines) strategy.
- ✓ The scope of the Tri-campus collaboration program was broadened with the title revised to *Professional Master's in Tropical Marine Ecosystem Management*, with *Marine Protected Areas* as an *Area of Specialization or PM-TMEM (MPAs)*. This allows flexibility for the program to address the evolving challenges of marine biodiversity conservation through other areas of specialization given the range of expertise of the 3 CUs. Other areas of specialization e.g. Ecosystem Approach to Fisheries Management through UPV can be developed in the future.
- ✓ The Professional Master's program would be designed, developed, and implemented by the three campuses (UPD, UPV, UPLB), each with a corresponding core academic unit (UPMSI, IFPDS, SESAM, respectively) through which other units in their respective campuses can also participate in the program.

- ✓ There is a need to define scope and distinction of the proposed Master's TMEM (MPAs) program to avoid competition with other existing programs within the UP System.
- ✓ The content of the curriculum proposal (OVPA form 2) was revised accordingly, covering the following sections: Program rationale, description, and goals; Program requirements; Curriculum framework and corresponding course descriptions and basic syllabi.
- ✓ The curriculum framework will consist of Core Courses (11 units); Required Courses (6 units); and Specialization Courses for MPAs (18 units); with the *modular approach* as the implementation modality.
- ✓ Operationalization mechanisms were developed in the following aspects: Organizational structure with corresponding roles and responsibilities; Scholarships, recruitment, and marketing; Library resources, equipment and procurement; and financial planning.
- ✓ The body agreed to aim for the University Council approval of the program by July 2013; requiring the finalization of the curriculum proposal by end of February, to enable submission to initial approving bodies by March 2013 (Graduate Academic Affairs Committee for UPLB; College levels for UPD and UPV).
- ✓ All agreed on scheduling a follow-up workshop for February 2013 to address remaining gaps and finalize the curriculum proposal.

February 8-10, 2013 : The Tri-Campus Collaboration Workshop on the Professional Master's program on Tropical Marine Ecosystem Management (see Annex 2)

**Attendance.** The February 2013 workshop was attended by the same participants as the January Workshop, but included other Academic officials from the College of Science of UPD, and UPV to provide inputs regarding program development: They were the following:

- Dr. Josemaria Balmaceda – Dean, College of Science, UP Diliman (UPD)
- Dr. Fidel Nemenzo – Associate Dean for Academic Affairs, College of Science, UPD
- Prof. Nestor Yunque – Vice Chancellor for Academic Affairs, UPV

**Workshop objectives.** The workshop objectives consisted of finalizing the tri-campus proposal for the PM-TMEM with respect to curriculum content and aspects of program implementation and financial sustainability.

**Workshop Highlights.** The workshop opened with three presentations consisting of the following:

1. *Summary of Achievements of the January 2013 Workshop* by Dr. Mary Bernadette de Venecia (Technical Coordinator)
2. *The Distinction of the PM-TMEM from other existing programs in UP and beyond* by Dr. Aletta Yñiguez of UPMSI

The key distinctions of the PM-TMEM that is being proposed are the following:

- a) Focus is on tropical marine systems with high biodiversity attributes, with Marine Protected Areas as an initial Area of Specialization
- b) Regional in scope
- c) More hands-on exposure and utilizing ecosystem based management of multispecies and high biodiversity systems
- d) Shorter program time frame
- e) Emphasis on an integrated approach

3. *The Flow of the Integrated Curriculum Framework of the PM-TMEM program* by Dr. Nathaniel Añasco of UPV – The presentation gave an overview of the thrust of the courses and their relationship with one another, paving the way for the plenary sessions to finalize the syllabus of each course.

*Finalization of the revised course syllabi for the PM-TMEM program on Day 1.* All participants received sets of the working documents, consisting of the integrated inputs for course content revisions or improvements. The plenary sessions covered a review, discussion, and finalization of the descriptions, objectives, content and requirements for each of the core and major program courses. Faculty members from the CUs were assigned to facilitate the plenary sessions corresponding to each of the courses. By the end of the day, the revisions of the 3 core courses and 4 major courses were accomplished by the body.

*Key Agreements Achieved on Day 2.* Other administrative matters were discussed in plenary sessions resulting in some key agreements such as the following:

- ✓ The program will follow a Trimestral mode in order to align the program with the ASEAN Economic Cooperation 2015 scheme.

- ✓ Resolution of some pending details of Program Requirements and Student Qualifications;
- ✓ The selection criteria for the first and second generation faculty, including invited resource persons/experts;

## ii) *Graduate Program cost determined from implementation activities*

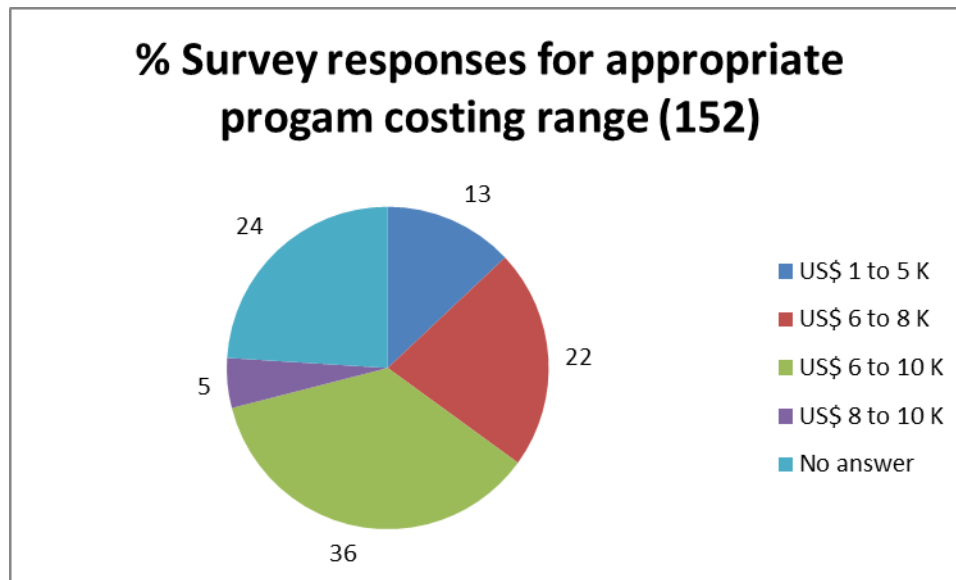
Graduate Program Cost with Tuition covers the conservative costs per module. It includes the Faculty Salaries (at UP Rates per number of hours of service), the field expenses of faculty and additional field staff/personnel. The approximate living cost allowance (LCA) of the students consists of field transportation and accommodation costs **within** the entire module of Lecture and Laboratory/Field activities.

**Table 1. Breakdown of program cost per student**

PARTICULARS	TOTAL COST PER STUDENT
Total Lecture Fee (entire program)	Php 36,760 or Php 1,750 per unit
Total Laboratory or Field Fee	Php 114,251 or Php 8,180 per unit
Total Lecture units (21 units)	Php 36,760
Total Laboratory or Field units (14 units)	Php 114,251
Total Cost per student without the LCA	Php 151,011 (US\$ 3,775)
Total Cost per student with the LCA	<b>Php 362,660 (US\$ 8,316)</b>

The estimated total program cost per student of US\$ 8,316, which includes living cost allowance was found to be within the acceptable range of appropriate cost based on the Training Needs Assessment survey results from 152 respondents (See Figure 1). Sixty-three percent (63%) of the respondents are amenable to a US\$ 6-10 thousand program cost. Survey respondents were CRM and MPA professionals from the Philippines (103), Malaysia (26), Indonesia (14), Solomon Islands (6), Papua New Guinea and South Pacific (2) and Thailand (1). These professionals were from the government sector, non-governmental institutions, including some academicians.





**Figure 1. Responses of surveyed CRM and MPA professionals within the Philippines and other Coral Triangle/Southeast Asian countries regarding appropriate costing for the program being developed.**

The graduate program cost average of Php 38,000 per term (without LCA; total of 4 terms) at UP is still less than the average cost per term ranging from Php 40,000 to Php 60,000 a semester, depending on the degree program, in private academic institutions in the country. Compared with other institutes offering same professional programs (1 year minimum duration) the proposed PM-TMEM is still far cheaper. It may be affordable for most Asians or professionals of the Coral Triangle region.

#### **1.2.1.2 Submission of project description amendments (March 2013)**

***Presentation of the amendments at USAID.*** The proposed project revisions were presented by Dr. Maria Lourdes SDMGlone, on March 13, 2013 at the USAID office, in a meeting between MERF 3MPA Project representatives and the USAID Technical Staff. The other MERF/UPMSI representatives were Drs. Aletta Yñiguez, Porfirio Aliño, Laura David, and Gil Jacinto.

***Approval of the Project Modifications.*** Mr. Eric Singer, the new Agreement Officer, approved the range of modifications of the USAID/MERF project on the *Set-up of a Professional Master's program on Tropical Marine Ecosystem Management as a Tri-Campus*

offering of the University of the Philippines on August 5, 2013. Conforme was signed by Dr. Porfirio Aliño of the UPMSI, on August 8, 2013.

## **1.2.2 Intermediate Result 1 (IR1) of the revised project description on *Program Institutionalization within the University of the Philippines***

### **1.2.2.1 Submission of the new curriculum proposal on the Professional Master's program on TMEM to the various approving bodies within the UP System for evaluation and approval (March – Oct 2013)**

#### ***i) The evaluation and approval process at the level of the various CUs***

A summary of the UP Approval Process milestones is shown in Annex 4.

#### **UP Diliman**

##### ***The approval process within UP Diliman at the level of the College of Science (CS)***

- On March 1, 2013, the Deputy Director for Instruction (DDI) of UPMSI Dr. Laura David defended the curriculum proposal before the College of Science Academic Affairs Committee, which consists of the College of Science Associate Dean for Academic Affairs and all the DDI of the academic units under the College.
- On March 4, 2013, the curriculum proposal (with revisions from the CS Academic Affairs Committee) was then presented by the UPMSI DDI to the College of Science Executive Board (CEB). There was a concern as to the details on the tri-campus administration and operational procedures. This was addressed through the eventual preparation of a manual on the Operational Guidelines for the 3CU PM-TMEM program.

On April 8, 2013, the curriculum proposal (with revisions from the CEB), including the essential content of the 3CU PM-TMEM Operational Guidelines were presented by the UPMSI Director, Dr. Antonette Meñez, to the CEB. A significant recommendation was for each of the CUs to have their own enrollees (students) for the joint program offering. This would facilitate CU accountabilities over administrative matters and conferral of degrees in relation to their students.

The new program proposal was endorsed by the CEB for review by the College Assembly, the last step in the approval process within the College of Science.

- On April 16, 2013, the UPMSI DDI presented the PM-TMEM program (with revisions from the CEB) to the College Assembly. The program was approved without objections nor additional inputs from the Assembly.

*Initiation of the review process within UP Diliman at the level of the Constituent University: Science and Technology Cluster Committee*

- Upon passing the College Assembly, the program proposal was reformatted to comply with the University Council (UC) Curriculum Committee requirement. This version was submitted on April 22, 2013 to the Chairman of the Cluster Committee of the Science and Technology within UPD, in preparation for the Cluster review process in May 2013. The Cluster Committee consists of academic representatives from eight (8) academic institutions within UPD.
- The necessary revisions based on the Cluster Committee's recommendations were incorporated and submitted to the University Council Secretariat on May 22, 2013 for final checking of curriculum proposal formats. This ensures inclusion of the PM-TMEM proposal for possible review of the UC-Curriculum Committee of UPD scheduled 14 October 2013.

As a new program being institutionalized within the University of the Philippines, the 3CU PM-TMEM would have to undergo review and gain approval from the UP System's AAC and PAC, prior to the review by the University Curriculum Committee (UCC) of the UPD University Council. The UPD Chancellor endorsed the PM-TMEM proposal in August for review of the AAC.

**UP Visayas**

***The approval process within UP Visayas at the level of the CFOS***

- In the last week of March 2013, the PM-TMEM curriculum proposal resulting from the February workshop, was circulated among faculty members of the CFOS, in preparation for the General Faculty meeting scheduled April 1, 2013. It was approved by the body during the meeting with minor revisions/improvements as regard to program goals.
- The next preparations are for reviews by four (4) academic committees at the level of the CU, followed by the Curriculum Committee of the University Council.

The UPV PM-TMEM team continues to coordinate with UPMSI on the schedule of the regular AAC and PAC meetings, since all three (3) CUs involved in the collaborative TMEM program are to be present during the PM-TMEM presentations at both meetings.

***The requisite approval by the UP System prior to review by the Graduate Program Council's evaluation of PM-TMEM***

The UPV Chancellor endorsed the proposed PM-TMEM in August 2013. This was to enable the review of the Tri-Campus collaborative program by the AAC scheduled August 29, 2013.

### **UP Los Baños**

#### ***Review by the UPLB Graduate School's Standing Committees (April-May 2013)***

The curriculum proposal was submitted to the UPLB Graduate School on April 8, 2013 for its review and endorsement of the Standing Curriculum Committees of the Graduate School (Natural Science and Social Science groups. By mid-June 2013, results of the review consisted of comments from the Social Science Cluster. These include i) suggestions for the Intercultural Understanding course, and; ii) request for results of the Needs Assessment survey done in terms of the countries covered and expression of interest in the program.

#### ***Presentation of the 3CU PM-TMEM Program to the Social Science Committee and the Graduate Academic Affairs Committee (GAAC), July 22, 2013***

On behalf of the 3CU Coordinating Body, the UPMSI team presented the proposed 3CU PM-TMEM program on July 22, 2013 to the Social Science Cluster Committee, including the Natural Science Cluster head of the UPLB Graduate School in the morning; and to the GAAC (consisting of the Deans of the different academic units with graduate programs) in the afternoon. The team was headed by Dr. Porfirio Aliño; the PM-TMEM program content presented by the Technical Coordinator; while the projected program budget and tuition fee costs were presented by the Program Assistant.

The meetings served as venues for clarification on the program implementation mode and the review of program content; discussion of the rationale for a Professional Master's program and its distinction from the usual MSc degree programs. The Social Science committee provided inputs with regard to refinements in the syllabi of various courses as these were reviewed in detail.

All clarifications regarding the PM-TMEM were integrated into the presentation to the GAAC in the afternoon.

#### ***Evaluation and Recommendations of the Graduate School Curriculum Committees Meeting, September 2013***

Revisions and comments from the various academic units of the UPLB Graduate School were culled on the September meeting and forwarded to 3CU PM-TMEM Coordinating Body. By September 30, 2013 the 3CU Coordinating Body sent responses and the revised PM-TMEM curriculum to the UPLB Graduate School. The revised PM-TMEM

curriculum would be taken up for approval by the GAAC in a meeting due to be scheduled for November 2013.

*iv) The evaluation and approval process at the UP System level*

**Preparations for the AAC Evaluation of TMEM.** As the implementation modality of the PM-TMEM program was of a Tri-Campus offering, the OVPAA had required complete representation and endorsement from all Chancellors of the 3 CUs to enable the AAC evaluation of the proposed PM-TMEM curriculum.

As of August 2013, the completion of the PM-TMEM endorsements by the Chancellors was pending as the PM-TMEM proposal was still being reviewed at the level of the UPLB Graduate School, which is prior to the GAAC, Graduate Faculty and UC-CC approvals.

**1.2.2.2 Holding of 3CU skype and face-to-face meetings on the progress in line with the program institutionalization process within UP**

**March 4, 2013.** The UPLB Coordinating body organized a meeting of the 3CU representatives held on March 4, 2013 at the SESAM Conference room, as an opportunity to present the PM-TMEM program to the UPLB Graduate School Secretary Dr. Willie Abasolo and to the UPLB Vice Chancellor for Instruction Dr. Oscar Zamora. Dr. Bernadette de Venecia gave an overview on the background and development of the program; while Drs. Nathaniel Añasco and Aletta Yñiguez did similar presentations that they had previously done for the February 2013 Workshop. Initial inputs of the UPLB academic officials present were solicited.

**April 23, 2013.** A skype meeting was held between UPMSI and UPV Coordinating team members for an exchange of updates on the approval process within their respective CUs. Dr. Laura David gave an update on the approval of the PM-TMEM proposal by the College Executive Board (April 8, 2013) and the College Assembly (April 16, 2013). Dr. Jose Peralta gave an update on the approval of the program by the College of Fisheries and Ocean Sciences (April 1, 2013); and the next step for review by the Fisheries and Marine Science Committee of the Graduate Program Council.

**May 20, 2013.** A skype meeting was held with UPV represented by Dr. Nathaniel Añasco and UPLB by Dr. Mark Arboleda. Project key personnel and UPMSI faculty members involved in the institutionalization of the TMEM program were in the meeting to clarify some aspects of PM-TMEM program administration and to update one another on the progress of the PM-TMEM review process within each of the CUs.

**May 24, 2013.** Dr. Jose Peralta of IFPDS-CFOS and Dr. Maria Lourdes SD McGlone met on May 24, 2013 as a follow-up to the Skype meeting in May. The UPV PM-TMEM Coordinating body will seek out the endorsement of the UPV Chancellor and Vice-Chancellor for Academic Affairs for the TMEM program since it is required for the AAC review.

**July 15, 2013.** Another face-to-face meeting hosted by UPMSI was held with members of the UPV and UPLB Coordinating Bodies. The features of the PM-TMEM collaborative program model were clearly defined. Potential draw-backs in the UP approval process were addressed.

#### **1.1.2.3 Preparation of teaching materials for the program courses (July – Oct 2013)**

##### ***i) Renewed discussions with Dr. Lisa Dacanay for social entrepreneurship teaching materials***

A meeting was held between Dr. Porfirio Aliño and Dr. Lisa Dacanay of the Institute of Social Entrepreneurship in Asia (ISEA) in September 2013 at the UPMSI, to discuss preparation of a research proposal for external funding for the development of 8-10 case studies of social entrepreneurship applied to tropical marine ecosystems. Timelines were approximated for the range of activities necessary to come up with the case studies in time for use as teaching material in the first cycle of TMEM implementation, and eventually to be published. This initiative however, was still dependent on the availability of external funding to cover the costs.

##### ***ii) Field activity designs for MPA courses by Dr. Hazel Arceo***

Dr. Hazel Arceo, an MPA expert and newly appointed faculty member of the UPMSI, was commissioned in August to prepare the listing of field activities for the MPA courses; and in October to develop the corresponding Activity Designs. This would serve as the initial set of teaching materials for the MPA courses, on which the other related field teaching materials will be further developed.

### **1.2.3 Intermediate Result 3 (IR3) of the revised project description on Networking**

### 1.2.3.1 Networking with CRM/MPA professionals and other individuals who can potentially be tapped for the program (faculty UP)

Meetings with various key faculty members of other academic institutions whose disciplines are partly covered by the PM-TMEM program, has been serving as a venue for opening opportunities to potential collaboration with regards to teaching or research for the program. This is in line with addressing the program's need for capacity building of its UP faculty for program sustainability by building the next generations of PM-TMEM faculty.

#### i) UP Diliman

- *Director Rene N. Rollon, Institute of Environmental Science and Meteorology, College of Science (UPD)*
- *Dean Mario delos Reyes, School of Urban and Regional Planning (UPD)*
- *Dr. Eufracio Abaya, Anthropologist under the College of Education (UPD) and member of the UPD Curriculum Committee*
- *Dean Ramon N. Clarete, School of Economics (UPD)*
- *Director Atty. Jay Batongbacal, Maritime and Law of the Sea Institute, College of Law (UPD)*
- *Dean Eduardo Gonzalez, Asian Center (UPD)*
- *Dean Miguela Mena, Asian Institute of Tourism (UPD)*
- *Drs. Elmer Ferrer and Tata Polotan-Cruz, College of Social Welfare and Community Development (UPD)*
- *Dean Ma. Lourdes Fe Mendoza and Director Ebenezer Florano, National College of Public Administration and Governance (UPD)*

#### ii) UP Los Baños

- ***Prof. Hermilea Castillo, Department Head of Science Communication, College of Development Communication, UPLB***

In March 2013, Prof. Castillo was commissioned to develop the syllabus for the 1-unit course *Communication in Tropical Marine Ecosystem Management*.

- ***Dean John Pulhin, College of Forestry and Natural Resources (CFNR)***

Dean Pulhin approached UPD TMEM team after the presentation of the PM-TMEM program to the GAAC on July 22, 2013. Given the significant role of watershed management for conservation of the marine environment (e.g. Ridge to Reef approach), Dean Pulhin expressed the desire for future meetings to discuss the potential collaboration of CFNR with the program. This was a welcome development as there are likely areas of convergence for collaborative research, given their existing MSc program in Natural Resource Conservation.

Based on the recommendations of the UPLB Graduate School, the CFNR was included as a co-proponent to SESAM for the PM-TMEM in September 2013. This development was included in the OVPA PM-TMEM proposal submitted in October 2013.

**1.2.3.2 Networking with LGUs having jurisdiction over MPA sites included in the program; other related institutions who can potentially be tapped to collaborate/support the program (MSN, Malaysia etc)**

*Worldfish (Penang, Malaysia)*

The Coral Triangle Atlas project of WorldFish Penang conducted a *Workshop on Marine Protected Area (MPA) Management Effectiveness Assessment* in collaboration with the Department of Marine Parks Malaysia on February 21-22, 2013 at Penang, Malaysia. The purpose of this workshop was to bring together marine researchers and MPA managers from the Marine Parks Department of Malaysia and other Malaysian MPA stakeholder for training on MPA management effectiveness and assessment.

Mr. Richard Muallil of the UPMSI, who was tapped to be a trainer for the MPA Management Effectiveness Assessment Tool (MEAT), facilitated networking of the project with *Dr. Douglas Beare, the Project Leader of CT Atlas*, for the conduct of the TNA in line with TMEM (MPA Management). Through the survey, the project was able to connect with 21 Malaysian professionals involved in the management of marine parks: 17 were from the Department of Marine Parks – Malaysia; 3 were academicians; and 1 affiliated to a private foundation.

The survey served as a form of soft-marketing for the program. Two-thirds of the Malaysian professionals (14) indicated interest in future enrollment in such program.



### *Marine Protected Area (MPA) Support Network (MSN; Philippines)*

The MPA Support Network, with Dr. Porfirio Aliño as the National Coordinator, sponsored a series of MPA Fora for the Luzon, Visayas, and Mindanao groups in the network, which focused mainly on the training of provincial government units with jurisdiction over MPA networks. These various fora were held within March 2013 for the Luzon, Visayas, and Mindanao groups.

Through coordination of Dr. Aliño and Dr. Hazel Arceo of MSN, the NA surveys were conducted among the participants of the MSN Fora. The project was able to reach 57 MPA professionals coming from a total of 30 provinces throughout the country. Among them, 52 % (30) indicated interest in future enrollment in the program described in the survey.

### *Masinloc LGU, Zambales*

In collaboration with the MSN-Philippines, the Technical Coordinator of the project together with a MPA governance specialist appointed by MSN (Ms. Maryanne Tercero formerly of GIZ), was able to network with Ms. Olive Gregorio of the CRM Office - Masinloc LGU in Zambales from July 29-30, 2013. Ms. Gregorio provided an overview of the MPA operation at the 26-year old San Salvador MPA located within Oyon Bay. A site visit was done on July 30, which enabled interviews with members of the People's Organization that co-manage the MPA.

Based on the Evaluators' validation of the MPA rating by the Masinloc CRM office using the Monitoring and Evaluation Assessment Tool (MEAT), there was a room for improvement with regards to the management and governance of the MPA. Its potential as an MPA demonstration site for a TMEM program will be reviewed. (See **Annex 3** for the Masinloc site visit photos)

## Annex 1

### *Workshop on the Tri-Campus Program Collaboration within the UP System: Set-up of a Masters Program, January 3-4, 2013*

*Appendix A. Workshop Program and Highlights*

*Appendix B. Participants*

*Appendix C. Pictures of the Workshop*

## Appendix A. Workshop Program and highlights

### Workshop on Tri-Campus Program Collaboration within the U.P. System: Set-up of a Professional Master's Program in Management of Marine Protected Areas

January 3 – 4, 2013  
3/F Conference Room, UP Marine Science Institute  
Diliman, Quezon City

#### A. OBJECTIVES AND EXPECTED OUTPUTS OF THE ACTIVITY

##### Workshop Objectives

- To have a common understanding of the project and the proposed Professional Master's Program;
- To have a common understanding of the "One UP" strategy;
- To review the proposal for the Professional Master's in Marine Protected Areas (OVPAA Form 2)/ general curriculum framework of the program towards identifying areas for improvement;
- To revise the curriculum towards a program that will strategically address tropical marine conservation;
- To identify and agree on the organizational requirements for the operational implementation of the revised Program
- To agree on how these requirements will be met
- To agree on timelines and responsible persons/entities for the implementation of the Masters program

##### The Program

Time	Day 1	Day 2
9:00 - 10:00 a.m.	Opening Program <ul style="list-style-type: none"><li>• Welcome Remarks</li><li>• GTKY and Workshop Overview<ul style="list-style-type: none"><li>➤ Presentation of Workshop Objectives, Outputs Planning Framework, and Schedule</li></ul></li></ul>	Summary of Agreements from yesterday's sessions  <b>Workshop 4:</b> Responding to the Requirements
10:00 - 10:15 a.m.	Break	
10:15 - 10:45 a.m.	<b>WHERE ARE WE NOW?</b>  Overview of the 3MPA Project and the Proposal for the Masters in Marine Protected Areas	
10:45 - 12:00 a.m.	<b>WHERE DO WE WANT TO GO?</b>  <b>Workshop 1:</b> Envisioning the Program and Identifying	

	Convergence Opportunities with Related Courses	
1:00 - 2:30 p.m.	<b>Workshop 2:</b> Review of Consolidated Comments on the Proposal for the Masters in Marine Protected Areas & Revision based on Workshop 1 Agreements	Presentation and Discussion of Workshop 4 Outputs
2:30 - 4:30 p.m. (Working Break)	Presentation of Outputs and Discussion in Plenary	
4:30 - 5:30 p.m.	<b>HOW DO WE GET THERE?</b>  Understanding the One UP Strategy: Available Information for Tri-partite Collaboration	Presentation of Program Milestones and timelines given June 2014 program implementation date  <b>Workshop 5:</b> Agreement on Timelines/Responsible Entities or Persons
5:30 - 6:30 p.m.	<b>Workshop 3:</b> Identifying the Organizational Requirements for Tri-partite Collaboration	Next Steps  Closing

### Main Agreements and Key Workshop Outputs

- Workshop participants gained a common understanding of the background on the development of the original proposal for a professional *Masters in Management of MPAs Program*, and relevance to the “One UP” strategy.
- The scope of the Tri-campus collaboration program was broadened with the title revised to *Professional Master’s in Tropical Marine Ecosystems Management*, with *Marine Protected Areas* as an *Area of Specialization or PM-TMEM (MPA)*. This allows flexibility for the program to address the evolving challenges of marine biodiversity conservation through other areas of specialization given the range of expertise of the 3 CUs. Other areas of specialization can be developed in the future.
- The Professional Master’s program would be designed, developed, and implemented by the three campuses (UPD, UPV, UP Los Banos), each with a corresponding core academic unit (UPMSI, IFPDS, SESAM, respectively) through which other units can also participate in the program.
- There is a need to define scope and distinction of the proposed Masters TMEM (MPAs) program to avoid competition with other existing programs within the UP System.
- The content of the curriculum proposal (OVPA form 2) was revised accordingly, covering the following sections: Program rationale, description, and goals; Program requirements; Curriculum framework and corresponding course descriptions and basic syllabi.

- The curriculum framework will consist of Core Courses (11 units); Required Courses (6 units); and Specialization Courses for MPAs (18 units); with the *modular approach* as the implementation modality.
- Operationalization mechanisms were developed in the following aspects: Organizational structure with corresponding roles and responsibilities; Scholarships, recruitment, and marketing; Library resources, equipment and procurement; and Financial planning.
- The body agreed to aim for the University Council approval of the program by July 2013; requiring the finalization of the curriculum proposal by end of February, to enable submission to initial approving bodies by March 2013 (GAAC for UPLB; College Levels for UPD and UPV).
- All agreed on scheduling a follow-up workshop for February 2013 to address gaps and finalize the proposal.
- The revised curriculum proposal resulting from the workshop was to be sent to participants by January 15, 2013.

Due to the participatory nature of the two-day workshop, there were minor changes in the methodologies planned. Plenary discussions were held in lieu of Workshops 1 and 5, to address the scope of the workshop objectives. The preferred approach was suggested by the body.

Ms. Resurrecion “Surie” Alip (Consultant) served as the facilitator for the two-day workshop, in close coordination with Dr. Porfirio Aliño and Dr. Mary Bernadette de Venecia. Facilitator for logistics was Ms. Mirafior Sanchez.

**Appendix B**  
**Participants of the Workshop on the Tri-Campus Collaboration within U.P. System**  
**of the Masters Program of Marine Protected Areas**  
**January 3-4, 2013 at U.P. MSI, Diliman, Quezon City**

Participant's Name	Organization/Institution	Email Address	Contact Numbers
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Dr. Maria Mangahas	CSSP-Anthropology, UPD	<a href="mailto:maria.mangahas@gmail.com">maria.mangahas@gmail.com</a>	09173916952
Ms. Hazel Arceo	MPA Support Network (MSN)	<a href="mailto:hoarceo@gmail.com">hoarceo@gmail.com</a>	09275598067

Participant's Name	Organization/Institution	Email Address	Contact Numbers
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Dr. Carlos C. Baylon	Dean, CFOS-UPV	<a href="mailto:ccbaylon@upv.edu.ph">ccbaylon@upv.edu.ph</a>	09157655919
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Prof. Caridad Jimenez	IFPDS-CFOS-UPV	<a href="mailto:cnjimz@yahoo.com">cnjimz@yahoo.com</a>	
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Ms. Surie Alip	Facilitator	<a href="mailto:suriealip@yahoo.com">suriealip@yahoo.com</a>	09189174796

## *Appendix C. Pictures of the Workshop*





## Workshop on the Tri-Campus Collaboration within U.P. System: Set-up of Masters Program in Management of Marine Protected Areas



January 3-4, 2013 at U.P. Marine Science Institute, Diliman, Quezon City



(Top From Left to Right): Mirafior Sanchez (3MPA Project), Dr. Rodelio Subade (UPV), Prof. Caridad Jimenez (UPV), Dr. Gil Jacinto (UPMSI), Dr. Merlina Andalecio (UPV), Dir. Jose Peralta (IFPDS-UPV), Dr. Maria Lourdes McGlone (Project Leader-3MPA), Dr. Laura David (UPMSI), Dr. Mark Dondi Arboleda (UPLB), Dean Carlos Baylon (UPV), Dr. Wilfredo Campos (UPV), Dean Leonardo Florece (SESAM-UPLB), Dr. Maria Mangahas (UPD), Dr. Jonathan Anticamara (UPD), Dr. Harold Monteclaro (UPV), Dr. Aletta Yñiguez (Program Coordinator-3MPA), Ms. Hazel Arceo (MSN), Dr. Mary Bernadette De Venecia (3MPA Project), Dr. Vincent Hilomen (UPLB) and Dir. Nathaniel Anasco (IMFO-UPV)

(Sitting From Left to Right): Dr. Rebecca Guieb (USAID), Dir. Marie Antonette Meñez (UPMSI), Dr. Marilou Nicolas (Asst. VP for Academic Affairs-UP System), Dr. Giselle Concepcion (VP for Academic Affairs-UP System), and Dr. Porfirio Aliño (UPMSI)



One of the plenary sessions during the workshop with Ms. Resurreccion Alip as facilitator.



Group discussion on revisions for the TMEM curriculum framework.



Discussion of institutional heads on the curriculum proposal with members of the Office of the Vice President of Academic Affairs (UP System): VP Gisela Concepcion (3<sup>rd</sup> from right) and Asst. Vice President Marilou Nicolas (second from right).

## Annex 2

# *Workshop on UP Tri-Campus Collaboration for the Professional Master's Program in Tropical Marine Ecosystem Management, February 8-9, 2013*

*Appendix A. Workshop programme*

*Appendix B. Participants of the workshop*

*Appendix C. Pictures of the Workshop*

## **Appendix A: Workshop Program**

### **FOLLOW-UP WORKSHOP TO FINALIZE THE TRI-CAMPUS PROFESSIONAL MASTER'S IN TROPICAL MARINE ECOSYSTEMS MANAGEMENT PROGRAM**

February 8-9, 2013, 3/F New Conference Room, UP Marine Science Institute

#### **Workshop Objectives**

- To finalize the tri-campus proposal (OPVAA Form 2) for the Professional Master's in Tropical Ecosystems Management (TMEM), with MPAs as Area of Specialization focusing on the following aspects:
  - Refinement of integrated curriculum; identification of lead faculty, resource persons and host CU for the courses; identification of course implementation locations.
  - System- trimestral vs. semestral
  - Costing and specific funding schemes/modalities
- To develop a capacity-building scheme for the second generation

#### **Workshop Schedule**

<b>Time</b>	<b>Activity</b>	<b>Presenter</b>
<b>Day 1</b>		
9:00 – 9:30	<ul style="list-style-type: none"><li>• Arrival</li><li>• Registration</li><li>• Snacks</li></ul>	
10:00 – 10:15	<ul style="list-style-type: none"><li>• Welcome Remarks</li><li>• Presentation of Workshop Objectives and Schedule</li></ul>	<ul style="list-style-type: none"><li>• Dean Josemaria Balmaceda, College of Science UPD</li><li>• Facilitator</li></ul>
10:15 – 10:30	<ul style="list-style-type: none"><li>• Summary of Accomplishments from the January 3-4 Workshop</li></ul>	<ul style="list-style-type: none"><li>• Dr. Dette de Venecia</li></ul>
10:30 – 12:00	<ul style="list-style-type: none"><li>• Session 1: Developing an Integrated Curriculum for the Professional Masters in Tropical Marine Ecosystems Management<ul style="list-style-type: none"><li>➤ Presentation of Masters TMEM vis-à-vis other related programs in UP</li><li>➤ Presentation of Proposed Integrated Course Curriculum Design</li><li>➤ Discussion and Agreement</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Dr. Alette Yniguez</li><li>• Dr. Laura David &amp; Dr. Nats Anasco</li></ul>
12:00 – 1:00	Lunch	
1:00 – 2:00	<i>Continuation of Session 1</i>	
2:00 – 3:00	<ul style="list-style-type: none"><li>• Session 2: Trimestral vs. Semestral<ul style="list-style-type: none"><li>➤ Inputs on the Trimester experience</li><li>➤ Agreement on academic term modality</li></ul></li><li>• Session 3: Identifying Course MPA locations</li></ul>	<ul style="list-style-type: none"><li>• Trimester inputs Dr. Jose Peralta of IFPDS-CFOS (UPV)</li></ul>

	and Hosting CUs; Course Faculty teams and resource persons <ul style="list-style-type: none"> <li>➤ Agreements from Initial Workshop</li> <li>➤ Presentation of Proposed MPA sites, hosting CUs</li> <li>➤ Workshop group sessions             <ul style="list-style-type: none"> <li>Workshop Group 1 – Faculty resources and teams</li> <li>Workshop Group 2 – Course scheduling (days/hours), general activities</li> </ul> </li> <li>➤ Presentation and Discussion of Workshop outputs; Agreement</li> </ul>	2 groups <ul style="list-style-type: none"> <li>• 1 group Dr. Alino, Dr. Jacinto, CU Heads/Coordinators on Faculty resources and scope of work</li> <li>• 1 group with course coordinators and others: on scheduling days, hours and general activities</li> </ul>
3:00 – 3:15	Break	
3:15- 5:30	<i>Continuation of Session 2</i>	
<b>Day 2</b>		
9:00 – 10:00	Summary of Agreements from Yesterday's Sessions <ul style="list-style-type: none"> <li>• Session 4: Program sustainability and others             <ul style="list-style-type: none"> <li>➤ Workshop Group 1: Resolution of gaps in the curriculum proposal</li> <li>➤ Workshop Group 2: Capacity-building schemes</li> <li>➤ Workshop Group 3: Funding Schemes/Modalities; other sources</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Dr. Dette de Venecia with facilitator</li> </ul> Workshop groupheads <ul style="list-style-type: none"> <li>• Dr. Malou McGlone</li> <li>• Dr. Carlos Baylon</li> <li>• Dr. Perry Aliño</li> </ul>
10:00 – 10:15	Break	
10:15- 11:00	<i>Continuation of Session 4</i>	
11:00 – 12:00	Presentations and Discussions; Agreements	<ul style="list-style-type: none"> <li>• Facilitator</li> </ul>
12:00 – 1:00	Lunch	
1:00 – 2:30	<i>Continuation of Session 4</i> <ul style="list-style-type: none"> <li>• Next Steps</li> <li>• Closing</li> </ul>	<ul style="list-style-type: none"> <li>• Facilitator</li> <li>• Dr. Perry Alino</li> </ul>

\*Revision in schedule: Break-out Groups in Day 1 was merged in Day 2.

**Appendix B: List of Participants**

<i>Participant's Name</i>	<i>Organization/Institution</i>
Dr. Marie Antonette J. Meñez	Director, UPMSI
Dr. Laura T. David	Deputy Director for Instruction, UPMSI
Dr. Porfirio M. Aliño	Deputy Director for Research-UPMSI
Dr. Maria Lourdes San Diego-McGlone	MSI-College of Science (CS), UPD
Dr. Aletta T. Yñiguez	MSI-CS, UPD
Dr. Gil S. Jacinto	MSI-CS, UPD
Dr. Jonathan Anticamara	Institute of Biology-CS, UPD
Dr. Maria Mangahas	Dept. of Anthropology-College of Social Science and Philosophy (CSSP), UPD
Dr. Fidel Nemenzo	Assoc. Dean for Academic Affairs-CS-UPD
Dr. Jose Maria Balmaceda	Dean, CS-UPD
Dr. Carlos C. Baylon	Dean, CFOS-UPV
Dr. Jose P. Peralta	Director, IFPDS-CFOS-UPV
Prof. Nestor Yunque	Vice-Chancellor for Administration-UPV
Dr. Merlina Andalecio	IFPDS-CFOS-UPV
Prof. Caridad Jimenez	IFPDS-CFOS-UPV
Dr. Nathaniel Añasco	Institute of Marine Fisheries and Oceanology (IMFO)-CFOS-UPV
Dr. Wilfredo L. Campos	College of Arts and Sciences (CAS)-UPV
Dr. Rodelio F. Subade	CAS-UPV
Ms. Hazel Arceo	MPA Support Network (MSN)
Dr. Leonardo Florece	Dean, SESAM-UPLB
Dr. Mark Dondi Arboleda	SESAM-UPLB

Dr. Ebinezer Florano	National College of Public Administration and Governance (NCPAG)-UPD
Mr. Randy Vinluan	USAID
Ms. Resurreccion Alip	Facilitator
Dr. Bernadette de Venecia	MERF Set Up of Professional Master's Project, Technical Coordinator
Ms. Miraflor Sanchez	M ERF Set Up of Professional Master's Project, Program Assistant



## Appendix C: Workshop picture



### U.P. Tri-Campus Collaboration Workshop for the Masters Program in Tropical Marine Ecosystems Management



February 8-9, 2013 at The Marine Science Institute, U.P. Diliman, Quezon City



*Back row (Left to Right):* Dr. Aletta Yñiguez (MSI-UPD), Dr. Gil Jacinto (MSI-UPD), Dr. Rodelio Subade (CAS-UPV), Dr. Maria Mangahas (CSSP-UPD), Dr. Ebenizer Florano (NCPAG-UPD), Ms. Hazel Arceo (MSN), Dr. Mark Arboleda (SESAM-UPLB), Dr. Wilfredo Campos (CAS-UPV), Dr. Jonathan Anticamara (IB-UPD), Dr. Nathaniel Anasco (IMFO-CFOS-UPV), Ms. Mirafior Sanchez (MERF), Dr. Mary Bernadette De Venecia (MERF)  
*Front row (Left to Right):* Dr. Porfirio Aliño (MSI-UPD), Dr. Maria Lourdes McGlone (MSI-UPD), Dean Carlos Baylon (CFOS-UPV), Dean Leonardo Florece (SESAM-UPLB), Vice Chancellor for Administration Nestor Yunque (OVCA-UPV)



Day 1: Plenary session on the revisions of the PM-TMEM course content during



Dean Jose Maria Balmaceda of the College of Science welcomes the participants.



Day 2: Work Group 1 on Course Implementation Schedules and MPA Sites



Day 2: Work Group 2 on Faculty Selection Criteria



Day 2: Work Group 3 on Financing Sustainability Schemes

## Annex 3

Masinloc –San Salvador MPA  
Site visit  
29-30 July 2013

## Appendix 1. Site visit

In collaboration with the MSN-Philippines, the Technical Coordinator of the project together with a MPA governance specialist appointed by MSN (Ms. Maryanne Tercero formerly of GIZ), met with Ms. Olive Gregorio of the Masinloc LGU - CRM Office in Zambales from July 29-30, 2013. Ms. Gregorio provided an overview of the MPA operation at the 26-year old San Salvador MPA located within Oyon Bay in the afternoon of July 29. She also facilitated a meeting of Ms. Tercero and Ms. De Venecia with the Batay Dagat officers on the same day. A site visit was done on July 30, which enabled interviews with members of the People's Organization that co-manage the MPA aside. The Visitors' area (supposedly for tourists) was underdeveloped, lacking in facilities for commercial tourism.

An ocular survey of the shallow area of the MPA site was done. The seagrass area was noted to have 75 to 100 % seagrass cover. Apparently high coral cover was noted but was also observed to be recovering from bleaching.

Based on the Evaluators' validation of the MPA rating by the Masinloc CRM office using the Monitoring and Evaluation Assessment Tool (MEAT), there is still a lot of room for improvement with regard the management and governance of the MPA i.e. livelihood provisions within the island; lack of solidarity within the MPA management body; lack of biological assessments other than those conducted by CRM-based projects that were carried out in the area. Its selection as an MPA demonstration site for the TMEM program may have to be reviewed.



## Appendix 2. Gallery of photos



Figure 1. Ms. Maryanne Tercero, a governance specialist, interviewing members of the People's Organization co-managing the San Salvador MPA Site at the visitors' area of San Salvador.



Figure 2. Ms. Bernadette de Venecia (TMEM TC; in wetsuit) during the interactions with the people's organization at the visitors' area of San Salvador MPA site.





Figure 3. Shallow coral reef area of San Salvador recovering from bleaching.



Figure 4. Table coral at the shallow reef area of San Salvador.





Figure 5. Sea cucumbers at the seagrass area of the San Salvador MPA.



Figure 6. Seagrass beds of the shallow zone of the San Salvador MPA.

## Annex 4

### Summary of the UP Review Process Milestones for the 3 CUs

<b>3 CU PM-TMEM APPROVAL PROCESS / MILESTONES</b>	<b>UP DILIMAN</b>	<b>UP VISAYAS</b>	<b>UP LOS BAÑOS</b>
UPV: Faculty of the College of Fisheries and Ocean Science (Approved with revisions)		April 1, 2013	
UPD: Submission deadline of curriculum proposal to Cluster Chairs	April 22, 2013		
UPD: Cluster Chairs will forward copy of the proposal to the University Council Secretariat (for checking)	April 29, 2013		
UPLB: Submission of PM-TMEM to the UPLB Graduate School			April 8, 2013
UPLB: Social Science and the Natural Science Committees of the Graduate School (Evaluation of PM-TMEM )			Summer 2013
UPD: Science and Technology Cluster Meeting of the UC Curriculum Committee (Evaluation of PM-TMEM)	May 16, 2013		
UPD: Cluster Chairs to submit Cluster-approved proposals to UC Secretariat for final checking	May 22, 2013		
UPLB: Presentation of PM-TMEM proposal to Standing Committees of the Graduate School (Social and Natural Sciences groups)			July 22, 2013
UPLB: Comments due from CU-wide Academic constituents with graduate programs on revised PM-TMEM proposal			September 9, 2013
UPLB: Graduate Academic Affairs Committee (GAAC) Meeting for approval of PM-TMEM			November 2013
UPLB: Graduate Faculty approval			November 2013
UPLB: UC Curriculum Committee (Evaluation of PM-TMEM)			December 2013
UPLB: UC Executive Council Meeting - Endorsement of Chancellor and Vice Chancellor for Academic Affairs of curriculum proposals approved by UC Curriculum Committee for the UP System-wide Academic Affairs Committee			December 2013



(AAC) and Presidential Advisory Council (PAC) evaluations			
UPD:Cluster approved curriculum proposals to be endorsed by Vice-Chancellor for Academic Affairs (VCAA) and the Chancellor to OVPAA for review			
UPD,UPV, UPLB : Submission of PM-TMEM endorsed by respective Vice-Chancellors for Academic Affairs and Chancellors to OVPAA to enable inclusion in AAC agenda for November 7, 2013	October 23, 2013	October 23, 2013	October 23, 2013
UP System: AAC Meeting (PM-TMEM evaluation)	November 7, 2013	November 7, 2013	November 7, 2013
UP System: PAC Meeting ( PM-TMEM Evaluation)	December 2013	December 2013	December 2013
UPV - Fisheries and Marine Science Committee of the Graduate Program Council Evaluation of AAC-PAC approved curriculum proposal		January 22, 2014	
UPV: Graduate Program Council Meeting		January 29, 2014	
UPV: Science and Technology Cluster Meeting of the University Curriculum Committee (Evaluation of PM-TMEM)		February 12, 2014	
UPD: Submission of New Curriculum Proposal approved by AAC and PAC to UC Secretariat to enable inclusion in the UC Curriculum Committee Agenda	January 20, 2014		
UPD, UPV: Deadline for proponents to submit curriculum proposal to copies to UC Secretariat for UC Curriculum Committee meeting	February 27, 2014 (40 copies)	February 17, 2014 (11 copies)	
UPD: Meeting of UC Curriculum Committee	March 17, 2014		
UPV: Meeting of UC Curriculum Committee		March 5, 2014	
UPLB: University Council Executive Committee Meeting on programs approved by AAC and PAC			1 <sup>st</sup> or 2 <sup>nd</sup> week Dec 2013
UPLB: Executive Committee of the University Council – UPV			
UPD, UPV, UPLB: University Council meeting	April 21, 2014	April 11, 2014	December 2013 or April 2014